What is claimed is:

- 1 1. A method comprising:
- 2 defining a process including at least one transaction;
- 3 storing a representation of the at least one transaction in a process-container;
- 4 transmitting the process-container to at least one remote entity:
- 5 receiving the process-container from the at least one remote entity; and
- 6 displaying contents of the process-container.

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- 2. A method comprising;
 defining a process including at least one transaction;
- 3 storing a representation of the at least one transaction in a process-container;
- transmitting the process-container to at least one remote entity; and
- 5 updating the process-container on the at least one remote entity.
- 1 3. The method of claim 2 further comprising:
- 2 receiving the process-container from the at least one remote entity.
- 1 4. The method of claim 2 further comprising:
- 2 displaying contents of the process-container.

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1	5. A method comprising:

- 2 defining a process including at least one transaction;
- 3 storing the at least one transaction in a process-container;
- 4 transmitting the process-container to at least one remote entity; and
- 5 interacting with the process-container on the at least one remote entity.
- 1 6. The method of claim 5 further comprising:
- 2 receiving the process-container from the at least one remote entity.
- 7. The method of claim 5 further comprising:
- 2 displaying the contents of the process-container. 3

1	8. A process-container comprising:
2	a logic module;
3	a storage module communicatively coupled to the logic module; and
4	an interface module communicatively coupled to the logic module.
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1 9.	A process-container compris	ing:
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2 a logic module;

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- 3 a storage module in communication with the logic module; and
- 4 an interface module in communication with the logic module.

1 10 A process-container comprising					
	1	10	A process	container	comprising

- 2 a presentation module;
- 3 a logic module coupled to the presentation module; and
- 4 a data module coupled to the presentation module.
- 1 11. The process-container of claim 10 further comprising a journal module coupled to the
- 2 presentation module.
- 1 12. The process-container of claim 10 wherein the logic is coupled to the data module.
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- 1 13. A process-container comprising:
- 2 a data module;
- 3 a logic module coupled to the data module; and
- 4 a presentation module coupled to the data module.
- 1 14. The process-container of claim 13 further comprising a journal module coupled to the data
- 2 module.
- 1 15. The process-container of claim 14 wherein the logic is coupled to the journal module.
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- 1 16. A process-container comprising:
- 2 at least one binder;
- 3 at least one attachment coupled to the at least one binder; and
- 4 at least one transaction coupled to the at least one binder.
- 1 17. The process-container of claim 16 further comprising a journal coupled to the at least one
- 2 binder.

- 1 18. The process-container of claim 17 wherein the journal includes at least one mutation.
- 1 19. The process-container of claim 17 wherein the journal includes a plurality of mutations
- 2 grouped into at least one cycle.
- 1 20. The process-container of claim 16 further comprising an identifier coupled to the at least one
- 2 binder.
- 1 21. The process-container of claim 16 further comprising a shell annotation coupled to the at
- 2 least one binder.
- 1 22. The process-container of claim 16 wherein the at least one binder includes at least one
- 2 resource.
- 1 23. The process-container of claim 22 wherein the at least one resource includes at least one of
- 2 an opaque resource, an object resource, a meta-data resource, and a data resource.
- 1 24. The process-container of claim 22 wherein the at least one resource includes a virtual
- 2 uniform resource locator (VURL).
- 1 25. The process-container of claim 16 wherein the at least one attachment includes at least one
- 2 multipurpose internet mail extension (MIME) bytestream.
- 1 26. The process-container of claim 25 wherein the at least one MIME bytestream includes at
- 2 least one application document.
- 1 27. The process-container of claim 16 wherein the at least one attachment includes at least one
- 2 application document.

- 1 28. The process-container of claim 16 wherein the at least one transaction includes at least one
- 2 resource.
- 1 29. The process-container of claim 28 wherein the at least one resource includes at least one
- 2 extensible markup language (XML) document.
- 1 30. The process-container of claim 29 wherein the at least one XML document is compliant to an
- 2 external document type definition (DTD).
- 1 31. The process-container of claim 16 wherein the at least one transaction includes at least one
- 2 data processing instruction.
- 1 32. The process-container of claim 16 wherein the process-container is operable to be executed
- 2 on a peer.
 - 33. The process-container of claim 16 wherein the process-container is operable to be
- 2 transmitted between a plurality of peers.

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1	34. A peer for executing a process-container comprising:
2	a runtime support environment including
3	an engine wherein the engine includes at least one of means for object mapping
4	means for persistence, means for journaling, means for querying, means for schema validation,
5	means for compounding documents, and means for synchronizing documents.
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 1 35. A peer for executing a process-container comprising:
- 2 a runtime support environment including
 - an engine;

- 4 an extension application program interface (API) coupled to the engine; and
- 5 at least one process-container extension coupled to the extension API.
- 1 36. The peer of claim 35 wherein the at least one process-container extension includes at least
- 2 one of a gateway extension, a workflow extension, a rules extension, a protocol extension, and a
- 3 transport extension.
- 1 37. The peer of claim 35 wherein the virtual machine includes a Java virtual machine.
- 1 38. The peer of claim 35 wherein the engine includes
- 2 a support module;
- 3 a runtime module coupled to the support module:
- 4 a core module coupled to the runtime module; and
- 5 a process-container module coupled to the core module.
- 1 39. The peer of claim 38 wherein the engine further includes at least one API.
- 1 40. The peer of claim 39 wherein the at least one API includes at least one of an extension API,
- 2 a JavaScript API, and a XML component language (XCL) API.
- 1 41. The peer of claim 38 wherein the support module includes at least one of an interpreter
- 2 package, a language parser package, a extensible stylesheet language transformation (XSLT)
- 3 processor, a XML path language processor (XPATH), a servlet package, a naming interface
- 4 package, a directory interface package, a message service package, a mail package, and an
- 5 activation framework package.
- 1 42. The peer of claim 38 wherein the runtime module includes at least one of a persistent store
- 2 subsystem, a process-container session subsystem, a verb protocol subsystem, a process-
- 3 container event interface, a process-container packet interface, a process-container attachment
- 4 interface, a process-container email interface, a process-container message interface, and a
- 5 process-container service interface.
- 1 43. The peer of claim 38 wherein the core module includes at least one of means for object
- 2 mapping, means for persistence, means for journaling, means for querying, means for schema
- 3 validation, means for compounding documents, and means for synchronizing documents.

- 1 44. The peer of claim 38 wherein the process-container module includes at least one process-
- 2 container.
- 1 45. The peer of claim 38 wherein the process-container module includes at least one of a binder,
- 2 an attachment, a transaction, and a journal.
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- 1 46. A system for automating a process comprising:
- 2 at least one process-container; and
- 3 at least one peer:

- 4 wherein the at least one process-container includes data and instructions relevant to a
- 5 process and wherein the at least one peer is operable to execute the instructions, transmit the 6
- process-container, and receive the process-container.
- 47. The system of claim 46 wherein the at least one process-container is mobile. 1
- 48. The system of claim 46 wherein the at least one process-container is self-contained. 1
- 49. The system of claim 48 wherein the at least one process-container is self-contained wherein
- 2 the peer is operable to execute the process-container without reference to other resources.
- 1 50. The system of claim 48 wherein the at least one process-container is self-contained wherein
- the peer is operable to execute the process-container off-line. 2
- 1 51. The system of claim 46 wherein the at least one process-container is asynchronous.
- 52. The system of claim 46 wherein the at least one process-container is executable. 1
- 53. The system of claim 46 wherein the at least one process-container is visualizable. 1
- 1 54. The system of claim 53 wherein the at least one process-container is visualizable as a web
- 2 site.

- 1 55. The system of claim 46 wherein the at least one process-container is an agent.
- 1 56. The system of claim 46 wherein the at least one process-container is operable to provide a
- 2 communication link to a peer on a remote system.

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1	57. A device, comprising:
2	a processor; and
3	a storage device coupled to said processor and storing instructions adapted to be
4	executed by said processor to:
5	define a process including at least one transaction;
6	store a representation of the at least one transaction in a process-container;
7	transmit the process-container to at least one remote entity;
8	receive the process-container from the at least one remote entity; and
9	display contents of the process-container.
1	58. A medium storing instructions adapted to be executed by a processor to perform a method
2	of collaborating, said method comprising:
3	defining a process including at least one transaction;
4	storing a representation of the at least one transaction in a process-container;
5	transmitting the process-container to at least one remote entity;
6	receiving the process-container from the at least one remote entity; and
7	displaying contents of the process-container.
1	59. A medium transmitting instructions adapted to be executed by a processor to perform a
2	method of collaborating, said method comprising:
3	defining a process including at least one transaction;
4	storing a representation of the at least one transaction in a process-container;
5	transmitting the process-container to at least one remote entity;
6	receiving the process-container from the at least one remote entity; and
7	displaying contents of the process-container.

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60. A computer-readable medium that stores program code and data accessible b	y and
executable by a processor in a data processing system, the program code and dat	a including:
a first module operable to define a process including at least one transaction	on;
a second module operable to store a representation of the at least one tran	nsaction in a
process-container;	
a third module operable to transmit the process-container to at least one re	emote entity
a fourth module operable to receive the process-container from the at leas	t one remote
entity; and	
a fifth module operable to display contents of the process-container.	
61. A system for collaborating comprising:	
means for defining a process including at least one transaction:	

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- 3 means for storing a representation of the at least one transaction in a process-container;
- 4 means for transmitting the process-container to at least one remote entity;
- 5 means for receiving the process-container from the at least one remote entity; and
- 6 means for displaying contents of the process-container.

62. A system for process automation comprising:

- 2 means for defining a process including at least one task;
- 3 means for storing a representation of the at least one task in a process-container;
- 4 means for transmitting the process-container to at least one remote entity;
- 5 means for performing the at least one task on the at least one remote entity; and
 - means for updating the process-container based on performance of the at least one task.

63. The system of claim 62 further comprising:

- 2 means for receiving the process-container from the at least one remote entity; and
- 3 means for displaying contents of the process-container.